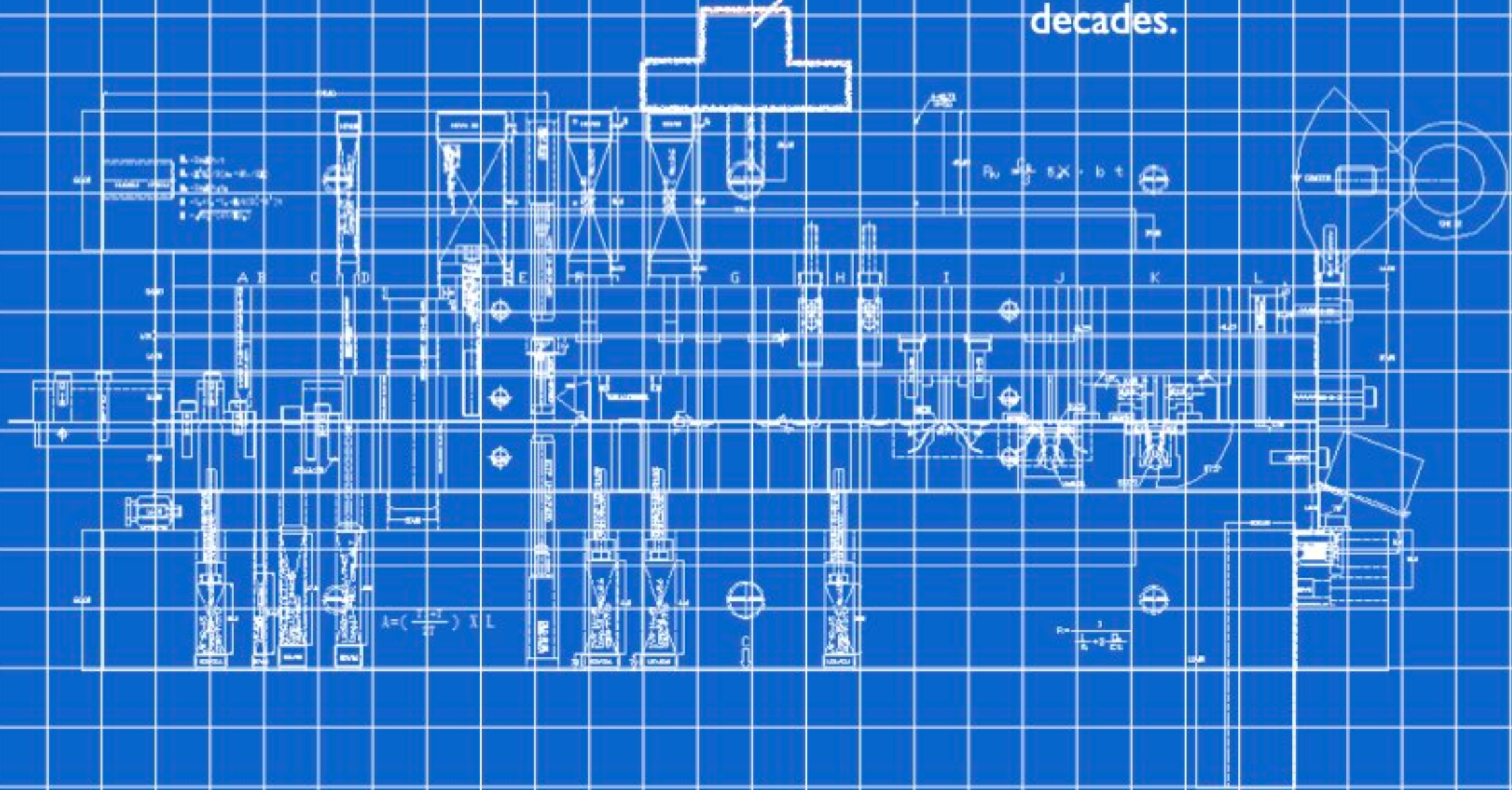




# SHANK

Just like a shank stabilizes the die in a stamping machine, G-Shank has been serving as the strongest support for our partners worldwide for more than four decades.



# Who Are We? (TWSE: 2476)



Chairman: Yu-Huang Lin



Group's Capital: **\$67.9M** (USD)



Est. **1973** (G-Shank Thailand 1998)



CEO: Ying-Shuo Lin  
Director (Thailand): Xing-Chong Dai



**2,519** (Worldwide)



Employees **47** (Thailand)

## Group Revenue Percentage

Parts  **94%**

Die  **3%**

Merchandise  **2%** (Transaction within the group)

Toolings  **1%**

THE LARGEST  
COMPANY  
DEDICATED TO  
PRECISION  
STAMPINGS IN ASIA



# Where Are We?



# Headquarters & Thailand G-SHANK

**World's  
Headquarters**

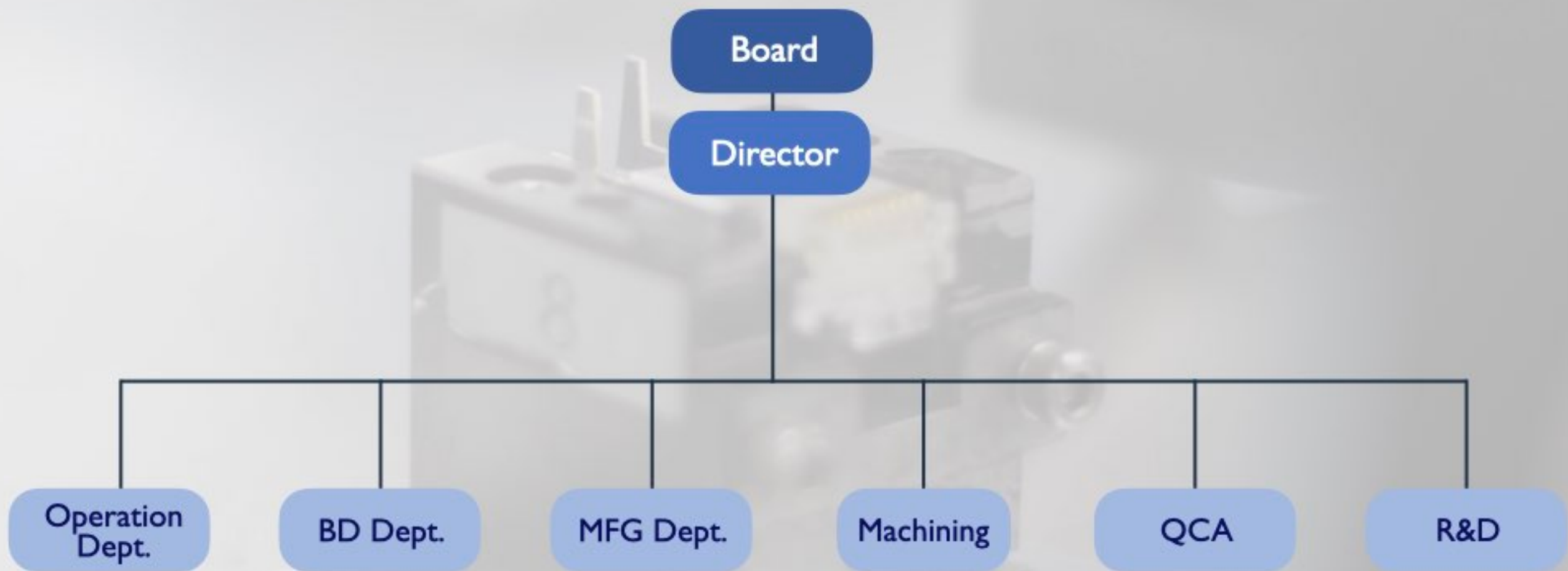


**G-SHANK  
Thailand**

Bangkok



# More About Us



# How Did We Start?

## Stamping

1973 Founded  
 1980 Est. Design Center  
 1984 Est. 6S Policy  
 1989 Est. Malaysia Branch  
 1994 Est. Mexico & the USA branches  
 1996 **ISO 9001 Certified**  
 1996 Est. Shanghai Branch  
 1998 Listed in Over-The-Counter  
 (The First Company in Metal Stamping Industry in TW)  
 1998 Est. **Thailand** & Taiwan Bade Branches



1973

2000

2010

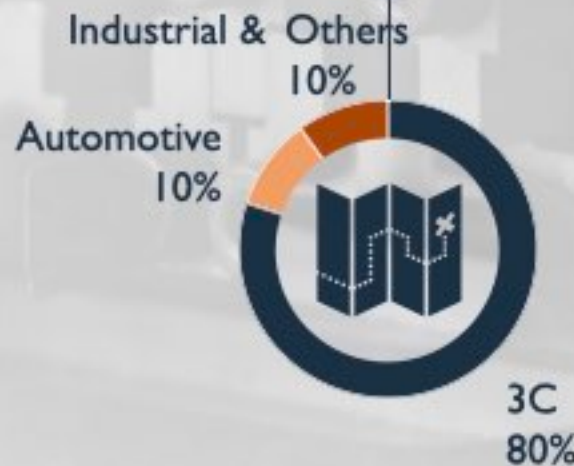
2021

## Vertical Integration

2009 **Electroplating Lines Est.**  
 2010 **Est. Insert-Molding Dept.**  
 2012 Est. Japan Branch  
 2012 Est. Wuhan Branch  
 2012 Record High Die PO (209 sets/mo)  
 2012 **Stamping, Electroplating, Insert-Molding, Automatic Assembly Vertical Integration**  
 2018 Est. Florida, USA office & Automotive Market Div.



## Global Growth



2000 Est. Shanghai II Branch  
 2001 **Listed in TWSE (2476)**  
 2001 Est. Dongguan, Xiamen, Suzhou, Qingdao Branches  
 2002 Est. Indonesia Branch  
 2003 Est. Tianjin Branch  
 2005 **ISO 14001 & ISO/TS 16949 Certified**  
 2006 Est. Shenzhen I Branch  
 2007 Est. Shenzhen II Branch

# What Do We Do?

## 16% Automotive

- Regulators
- Transmission Coolers
- GPS/ USB/ Charger Connectors
- Airbag & Seat Belt Connectors
- Air Conditioning
- Fuses
- Button Adaptors
- TPMS
- Headlight Parts
- Anti-theft Systems

## 32% Industrial and Others

- Sensors
- Relays
- No Fuse Breakers/ Switches
- PLC
- Timers
- Blood Sugar Testers
- Scalpels
- Semiconductor Lead Frames
- Furniture Parts
- Electronic Cigarettes



## 11% Communications

- Mobile Phones
- ADSL
- Internet Related

## 17% PC/NB

- I/O
- Type C
- USB
- HDMI
- FPC/ FFC
- Memory Cards
- Board-to-board

## 24% Consumer Electronics

- Appliances
- Digital Cameras
- Gaming Parts
- Switches
- Video Recorders

Industrial  
100%



**G-Shank  
Thailand**



# Group Fiscal Revenue

Million (USD)

- Taiwan
- China
- Others
- Thailand



※Exchange Rate

2017  
(1:30.291)

2018  
(1:29.923)

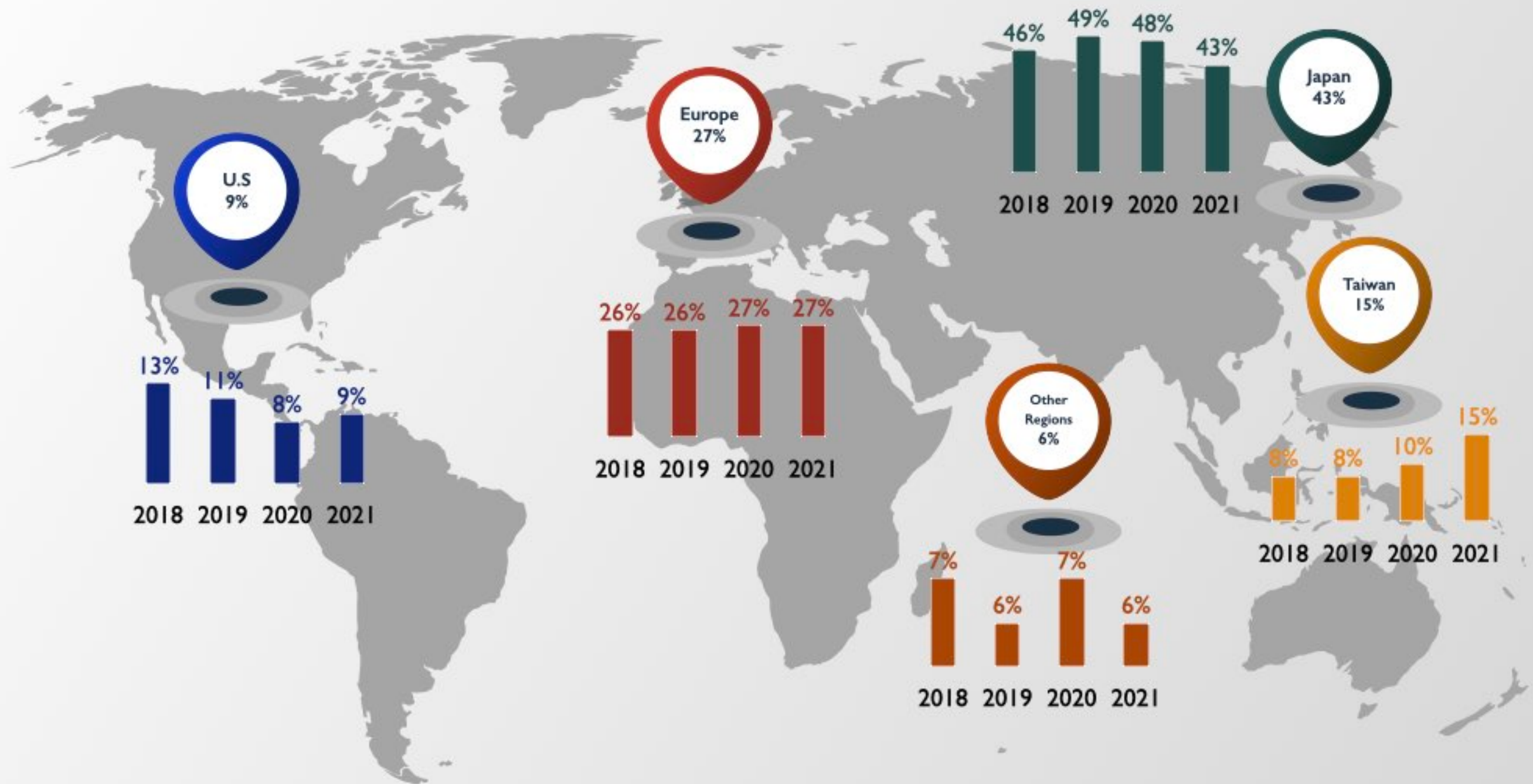
2019  
(1:30.863)

2020  
(1:29.536)

2021  
(1:27.95)

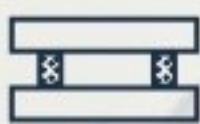
# Total Sales by Region

(based on customer's region)



# One Stop Solution

## Die Design

 **x110** sets  
(Monthly Capacity)

- 3D/CAD Design
- Design Database System

## Stamping

 **x745**  
(10 - 400T)

- Servo Feeds
- AOI Machine Inspection

## Insert-molding

 **x37**  
(35 - 110T)

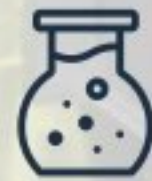
- AOI Machine Inspection
- Vertical, Horizontal Insert-molding Machine

## Machining

 **x543**

- Vertical CNC Machine
- Jig Grinder
- Profile Grinder
- Wire E.D.M
- Grinder
- Lathe
- Milling Machine
- Sawing Machine
- E.D.M
- Drilling E.D.M
- Precision E.D.M
- Horizontal Profile Grinder

## Electroplating

 **4** Machines  
**8** Lines(Hoop)

Au (Gold)  Sn (Tin)  
Ni (Nickel)

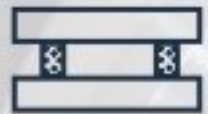
## Automated Assembly



- R J 45 Connector
- D-SUB Connector
- Automatic Laser Welding Machine
- Automatic Silver Brazing Assembly
- Automotive Safety Device Assembly

# Thailand Capabilities

## Tool & Die Design



Taiwan &  
Shanghai Design

- 3D/CAD Design
- Design Database System

## Machining



x **14**

- Jig Grinder
- Wire E.D.M
- Grinder
- Lathe
- Milling Machine
- Sawing Machine
- E.D.M
- Drilling E.D.M
- Precision E.D.M
- Horizontal Profile Grinder

## Stamping



x **26**  
(20 - 110T)

- Servo Feeds
- AOI Machine Inspection



EDM



Deburring



Microscope



XRF Analyzer



Profile Projectors



Profile Projectors



Press Machines



Press Machines



Press Machines



Grinders



Machining



Stamping



QC



Equipments

# Creating Solutions





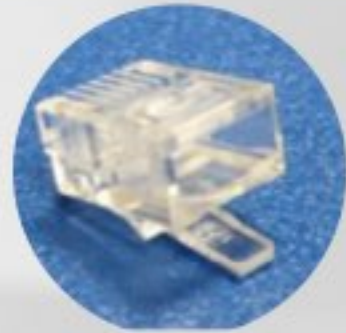
# ONE-STOP SOLUTION CASES

# One Stop Solution

## Case I : RJ45 Connectors



### Customer's Previous Process



**Supplier A**

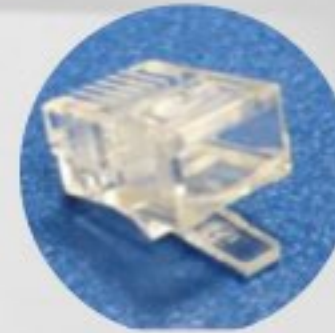


**Supplier B**



**GS  
Supplies**

### GS' One Stop Solution

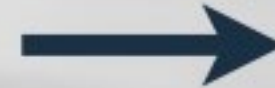


**The ONLY supplier: G-SHANK**

3 different contacts to coordinate the due dates, QC, and etc.



**4 Stops Manual Assembly Line:**  
4 people needed  
6 sec/ pcs



**GS Customized  
Automated Assembly  
Machine**

**Automated Assembly Line:**

↓ **75%** manpower ( **1** person needed)

↑ **300%** productivity (2 sec/pcs)



### Customer's Previous Process



Supplier A



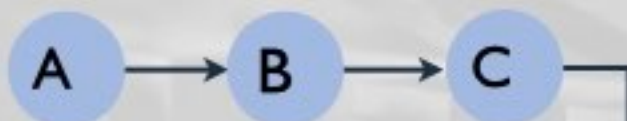
Supplier B



Supplier C

3 different contacts to coordinate the due dates, QC, and etc.

Outsourcing



Manual Assembly Line



3 Outsourcing Stops + 3 Steps Manual Assembly Line:

(Metal Parts Riveting, Silver Contact Riveting, 100% Inspection):

3+ suppliers needed

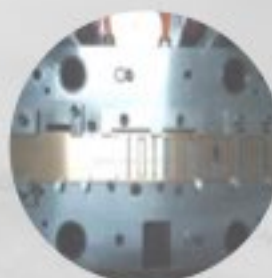
4 people needed

10 sec/ pcs

### GS' One Stop Solution



The ONLY supplier: G-SHANK



Metal Stamping (SPM 300)



Inert-molding (Hot Runner/ 4 Cavities)



Metal Parts Hot Riveting (GS Customized Auto Riveting Machine)



Silver Contact Riveting (SPM 60)



AOI 100% Auto Inspection

One Stop Solution + Automated Assembly Line:

↓ 25% manpower (3 people needed)

↑ 330% productivity (3 sec/pcs)

↓ 20% plastic material (Hot runner)

# Regional Expertise

## Headquarters (R&D Center)

Automotive



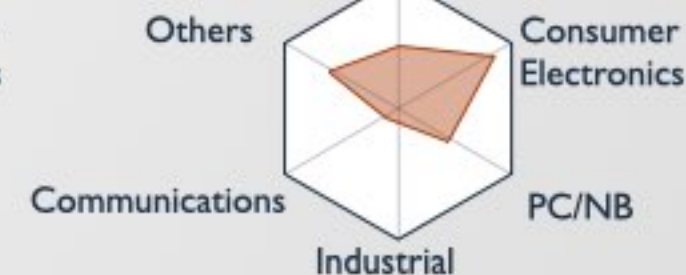
## Shanghai (R&D Center)

Automotive



## Tianjin

Automotive



## Mexico

Automotive



## Indonesia

Automotive



## Suzhou

Automotive



## Qingdao

Automotive



## Malaysia

Automotive



## G-Bao (Shenzhen)

Automotive



## Shenzhen

Automotive



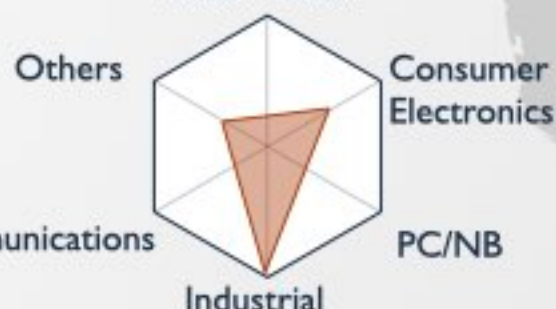
## Wuhan

Automotive



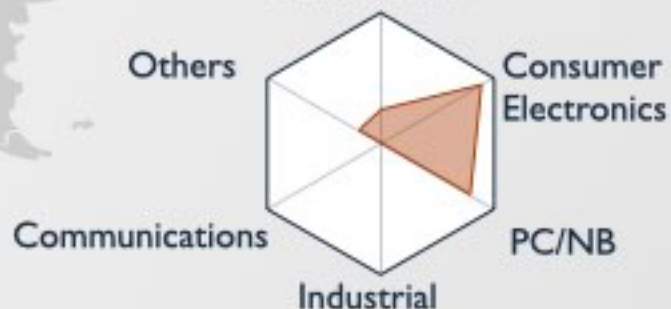
## Thailand

Automotive



## G-Long (Dongguan)

Automotive



## Xiamen

Automotive



## Bade

Automotive



# Quality Assurance



**ISO 14001**



**IATF 16949**



**ISO 9001**



**Sony  
Green Partner**



**ISO26000**

# Quality Assurance

## Design

- 20,000 Die Design Experience
- Design Database
- 47 Years of Experience

## Customer Service

- Complaints acknowledge in 3 days
- Report complaints & solutions to design & production divisions
- 8D Report
- On-going improvement plans
- Visit our clients periodically to cultivate long-term relationship & discuss quality improvement solutions



## Production

- Big data monitors product measurements
- XBar-R & CPK
- AOI machine inspection
- Maintain the die periodically through computerized system
- Die Change Point Management System
- Voluntary Inspection, FAI, QC Inspection

# Why G-SHANK?



## R&D Talents

**80+** R&D Engineers

**10+** Avg. Length of Service

**5** Languages: Chinese/English/  
Japanese/Korean/Spanish

**3D** Design & Database System

**3** Industry-University Collaboration  
Training Center



## Costs

Localized Purchasing  
Economies of Scale  
TQM  
Integrated Services



## Quality

**49** Years of Experience

**3** Quality Certifications  
AOI Machine Inspection



## Lead Time

**90%** of Die Parts  
Manufactured Internally

**17+** Global Locations

**1** Stop Solution



## Core Values

**Integrity:** We strive to create an environment builds on trust in which our employees are treated equally and as valued team members.

**Commitment:** We make it our aim to develop relationships with our customers that create a positive impact on their lives.

## Our Vision

G-SHANK is dedicated to precision manufacturing, with the intention of becoming the leading brand of the industry.



[tai@mail.gs.com.tw](mailto:tai@mail.gs.com.tw)



66-353-51465 Ext.6



No. 116 Moo 1 Hitech Industrial  
Estate T.Banlane, A.Bang Pa-In,  
Ayutthaya Thailand 13160



[www.gs.com.tw](http://www.gs.com.tw)



**G-SHANK**

**Thank you**